

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q76495

Hyoseop SHIN

Appln. No.: 10/623,658

Group Art Unit: 2163

Confirmation No.: 4747

Examiner: LU, CHARLES EDWARD

Filed: July 22, 2003

For: INDEX STRUCTURE FOR METADATA, METHOD FOR PROVIDING INDICES OF METADATA, AND METADATA SEARCHING METHOD AND APPARATUS USING THE INDICES OF THE METADATA

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed (without a Statement Under 37 C.F.R. § 1.97(e)) after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/623,658

Attorney Docket No. Q76495

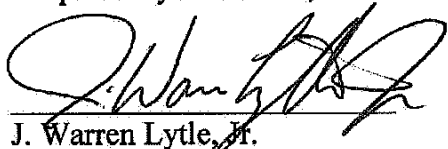
Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore the USPTO is authorized to charge the fee of \$180.00, under 37 C.F.R. § 1.17(p), to Deposit Account No. 19-4880, via EFS payment screen.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits an English Abstract of JP 2001-229060.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: June 9, 2006

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(use as many sheets as necessary)**Complete if Known*

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number		10/623,658
				Confirmation Number		4747
				Filing Date		July 22, 2003
				First Named Inventor		Hyoseop SHIN
				Art Unit		2163
				Examiner Name		LU, CHARLES EDWARD
				Attorney Docket Number		Q76495
Sheet	1	of	1			

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 2002-0088010	A1	07-04-2002	Dudkiewicz et al.
		US			
		US			
		US			
		US			
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2001-229060	A	08-24-2001		W/English Abstract

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		Jayavel Shanmugasundaram, et al. : The VLDB Journal The International Journal on Very Large Data Bases; , Issue: Vol. 10, Numbers 2-31; September 2001, Article: "Efficiently publishing relational data as XML documents" Pages 1-41.	
		C. E. Dyreson et al.: "MetaXPath" PROCEEDINGS OF THE 2001 INTERNATIONAL CONFERENCE ON DUBLIN CORE AND METADATA APPLICATIONS, 'Online! October 22, 2001, October 26, 2001, XP002324400.	
		"Specification Series S-3 on: Metadata (Normative) Part: A Metadata Schemes" THE TV ANYTIME FORUM, 'Online! June 28, 2002, XP002323575.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.